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NOTICE OF ALLOWANCE AND FEE(S) DUE

24113

7590

07/21/2005

PATTERSON, THUENTE, SKAAR & CHRISTENSEN, P.A. 4800 IDS CENTER 80 SOUTH 8TH STREET MINNEAPOLIS, MN 55402-2100 EXAMINER

SOLAK, TIMOTHY P

ART UNIT PAPER NUMBER

3746
DATE MAILED: 07/21/2005

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/541,779	04/03/2000	Hisatoshi Hirota	133.046	4974	

TITLE OF INVENTION: CAPACITY CONTROLLER OF CAPACITY VARIABLE COMPRESSOR

APPLN. TYPE	YPE SMALL ENTITY ISSUE FEE		PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE	
nonprovisional	NO	\$1400	\$0	\$1400	10/21/2005	

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

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If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

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IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.



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INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks I through 5 should be completed where

appropriate. All further con indicated unless corrected b maintenance fee notification	respondence including the location or directed otherwise is.	'atent, advance orders in Block 1, by (a) sp	s and notification pecifying a new co	of maintenance fees orrespondence addres	will be mailed to the current is; and/or (b) indicating a sepa	correspondence address as trate "FEE ADDRESS" for		
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address) 24113 7590 07/21/2005 PATTERSON, THUENTE, SKAAR & CHRISTENSEN, P.A. 4800 IDS CENTER 80 SOUTH 8TH STREET MINNEAPOLIS, MN 55402-2100				Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, much ave its own certificate of mailing or transmission. Certificate of Mailing or Transmission I hereby certify that this Fee(s) Transmittal is being deposited with the Unit States Postal Service with sufficient postage for first class mail in an enveloaddressed to the Mail Stop ISSUE FEE address above, or being facsimit transmitted to the USPTO (571) 273-2885, on the date indicated below.				
						(Signature)		
						(Date)		
APPLICATION NO.	FILING DATE	FIR	ST NAMED INVEN	TOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
09/541,779	04/03/2000	_	Hisatoshi Hirota		133.046	4974		
TITLE OF INVENTION: CA				· · · · · · · · · · · · · · · · · · ·	T			
APPLN. TYPE	SMALL ENTITY	ISSUE FEE	Pt	BLICATION FEE	TOTAL FEE(S) DUE	DATE DUE		
nonprovisional	NO	\$1400	•	\$0	\$1400	10/21/2005		
EXAM	INER	ART UNIT	CI	ASS-SUBCLASS				
SOLAK, TI	МОТНҮ Р	3746		417-213000				
☐ "Fee Address" indicat	e address or indication of "Peter lence address (or Change of 122) attached. ion (or "Fee Address" Indicator more recent) attached. Use	Correspondence	(1) the names of to or agents OR, alter (2) the name of a registered attorney	single firm (having as or agent) and the na attorneys or agents.	s a member a 2 umes of up to			
3. ASSIGNEE NAME AND PLEASE NOTE: Unless recordation as set forth in (A) NAME OF ASSIGNI	an assignee is identified be 37 CFR 3.11. Completion	elow, no assignee date of this form is NOT a	a will appear on t substitute for filing		gnee is identified below, the d	locument has been filed for		
Please check the appropriate	assignee category or catego	ries (will not be printe	ed on the patent):	☐ Individual ☐	Corporation or other private gro	oup entity Government		
4a. The following fee(s) are	enclosed:		ayment of Fee(s):					
☐ Issue Fee			A check in the amount of the fee(s) is enclosed. Payment by credit card. Form PTO-2038 is attached.					
☐ Publication Fee (No small entity discount permitted) ☐ Advance Order - # of Copies			The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form).					
5. Change in Entity Status a. Applicant claims SI	(from status indicated above MALL ENTITY status. See		b. Applicant is no	longer claiming SM	ALL ENTITY status. See 37 C	FR 1.27(g)(2).		
The Director of the USPTO NOTE: The Issue Fee and Printerest as shown by the reco	is requested to apply the Issu ublication Fee (if required) vords of the United States Pate	e Fee and Publication will not be accepted from and Trademark Of	n Fee (if any) or to om anyone other the fice.	re-apply any previou nan the applicant; a re	isly paid issue fee to the applicate attorney or agent; or the	ation identified above. he assignee or other party in		
Authorized Signature				Date				
Typed or printed name			Registration No.					
This collection of informatic an application. Confidentiali submitting the completed ap this form and/or suggestions Box 1450, Alexandria, Virgi Alexandria, Virginia 22313-	on is required by 37 CFR 1.3 ity is governed by 35 U.S.C. oplication form to the USPT for reducing this burden, slinia 22313-1450. DO NOT 1450.	11. The information is 122 and 37 CFR 1.1 O. Time will vary de nould be sent to the C SEND FEES OR CO	s required to obtain 4. This collection pending upon the hief Information C MPLETED FORM	n or retain a benefit by is estimated to take I individual case. Any officer, U.S. Patent ar IS TO THIS ADDRE	y the public which is to file (an 2 minutes to complete, includin comments on the amount of tind d Trademark Office, U.S. Dep SS. SEND TO: Commissioner	d by the USPTO to process) ng gathering, preparing, and me you require to complete artment of Commerce, P.O. for Patents, P.O. Box 1450,		

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09/541,779	04/03/2000	Hisatoshi Hirota	133.046	4974	
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PATTERSON, 4800 IDS CENT	THUENTE, SKAAR	SOLAK, TI	SOLAK, TIMOTHY P		
80 SOUTH 8TH			ART UNIT	PAPER NUMBER	
MINNEAPOLIS	S, MN 55402-2100	3746			
		DATE MAILED: 07/21/2005			

Determination of Patent Term Extension under 35 U.S.C. 154 (b)

(application filed after June 7, 1995 but prior to May 29, 2000)

The Patent Term Extension is 0 day(s). Any patent to issue from the above-identified application will include an indication of the 0 day extension on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Extension is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571) 272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

	Application No.	Applicant(s)			
	09/541,779	HIROTA, HISATOSHI			
Notice of Allowability	Examiner	Art Unit			
	Timothy P. Solak	3746			
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313 1. This communication is responsive to the amendment received.	(OR REMAINS) CLOSED in this apport of the appropriate communication GHTS. This application is subject to and MPEP 1308.	plication. If not included will be mailed in due course. THIS			
2. The allowed claim(s) is/are 10-15.					
3. The drawings filed on are accepted by the Examiner	r.				
 4. Acknowledgment is made of a claim for foreign priority una a) All b) Some* c) None of the: Certified copies of the priority documents have Certified copies of the priority documents have Copies of the certified copies of the priority documents have Copies of the certified copies of the priority documents have Copies of the certified copies of the priority documents have Copies of the certified copies of the priority documents have Certified copies not received: PCT Rule 17.2(a)). * Certified copies not received: MAILING DATE Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 	been received. been received in Application No cuments have been received in this	national stage application from the			
5. A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which give					
6. \boxtimes CORRECTED DRAWINGS (as "replacement sheets") mus	t be submitted.				
(a) $oxed{\boxtimes}$ including changes required by the Notice of Draftspers	on's Patent Drawing Review (PTO-	948) attached			
1) ☐ hereto or 2) ☑ to Paper No./Mail Date <u>8</u> .					
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date		•			
ldentifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the	84(c)) should be written on the drawing he header according to 37 CFR 1.121(c	igs in the front (not the back) of			
7. DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT I	sit of BIOLOGICAL MATERIAL n FOR THE DEPOSIT OF BIOLOGICA	nust be submitted. Note the AL MATERIAL.			
	•	·			
Attachment(s)					
1. Notice of References Cited (PTO-892)		atent Application (PTO-152)			
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. Interview Summary				
3. Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date 6&18	Paper No./Mail Date <u>20</u> . 7. ⊠ Examiner's Amendment/Comment				
4. Examiner's Comment Regarding Requirement for Deposit	•	8. Examiner's Statement of Reasons for Allowance			
of Biological Material .	9. Other				

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Amy Salmela on 06/22/2005.

The application has been amended as follows:

In the Claims:

In Claim 10, line 22, "discharge" has been deleted and --differential-- substituted therefore.

Response to Arguments

Applicant's arguments, see page 9, last paragraph, filed 12/29/2004, with respect to Claims 11-12 and 14-15, rejected under - 35 USC § 101 have been fully considered and are persuasive. Accordingly the rejections, set forth in the previous Office Action are hereby withdrawn.

Application/Control Number: 09/541,779

Art Unit: 3746

Applicant's arguments, see page 10, first two paragraphs, filed 12/29/2004, with respect to Claims 10-15, rejected under - 35 USC § 112, second paragraph, have been fully considered and are persuasive. Accordingly the rejections, set forth in the previous Office Action are hereby withdrawn.

Applicant's arguments, see page 10, next to last paragraph and page 11, second paragraph, filed 12/29/2004, with respect to Claims 10 and 13, rejected under - 35 USC § 103(a) have been fully considered and are persuasive. Accordingly the rejections, set forth in the previous Office Action are hereby withdrawn.

Claim Numbering

The claims have been renumbered as follows for allowance. The following table contains the original claim number with the new corresponding claim number.

OLD	NEW	OLD	NEW	OLD	NEW	OLD	NEW
1	Canceled	6	Canceled	11	2	16	Canceled
2	Canceled	7	Canceled	12	3	17	Canceled
3	Canceled	8	Canceled	13	4		
4	Canceled	9	Canceled	14	5		
5	Canceled	10	1	15	6		

Comments

A copy of the information disclosure statement received on 03/12/2001 (paper 6) is included to ensure applicants have a signed copy.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Timothy P. Solak whose telephone number is 571 272-4833. The examiner can normally be reached on Monday through Friday from 10:30 am to 5:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Timothy S. Thorpe can be reached on 571 272-4444. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Timothy P. Solak

Examiner

Art Unit 3746

June 25, 2005